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E

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/233,150	01/19/99	SO H	1931/00003

PM92/0524
POLLOCK VANDE SANDE & PRIDDY
PO BOX 19088
WASHINGTON DC 20036-3425

EXAMINER
SHAW, E

ART UNIT PAPER NUMBER
3644

DATE MAILED: 05/24/00 *4*

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

PM92/0524

POLLOCK VANDE SANDE & PRIDDY
PO BOX 19088
WASHINGTON DC 20036-3425

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/233,150	01/19/99	006	SHAW, E	3644 05/24/00
First Named Applicant	SO, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION: METHOD OF CONTROLLING OPERATION OF ANIMAL TRAINING DEVICE

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3	1931/00003	119-719.000	N03	UTILITY	YES \$605.00	08/24/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Notice of Allowability

Application No.
09/233,150

Applicant(s)

So

Examiner
Elizabeth Shaw

Group Art Unit
3644



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to the application filed on Jan. 19, 1999.

☒ The allowed claim(s) is/are 1-6.

☐ The drawings filed on _____ are acceptable.

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☒ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☒ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____.

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 3

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

PETER M. POON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3300

fmp
5/24/00

Art Unit: 3644

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: prior art does not disclose a method of controlling an animal training device for transmitting a command via radio through a transmitting antenna to a receiver worn by an animal. The method comprising the steps of performing an arithmetic operation with respect to security code number data from a security code setting unit, impulse wave level data for a volume adjustment unit and mode data from a mode selector designated by a first or second function switch, all of which generate a control signal as a result of the arithmetic operation. The control signal is then modulated and amplified to a radio frequency then transmitted through the transmitting antenna. Next checking whether a power switch of the receiver has been pushed for a predetermined time period for receiving the radio signal, then amplifying the received signal, filtering to remove noise components from it and demodulating the signal back to the control signal. Then the security code number is checked against pre-stored security code number data. Next it is determined which one of vibration, vibration/impulse or impulse setting has been selected by the mode selector if the first function switch has been turned on. Then generating a vibration control signal and an impulse control signal as designated and supplying the generated signal to either a motor driver to produce a vibration to be applied to the animal or to a digital/analog converter to drive a high voltage generator to apply a generated impulse to the animal.

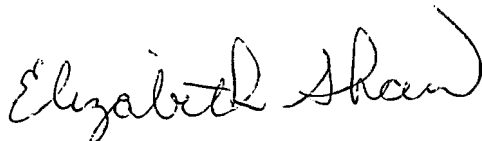
Art Unit: 3644

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Included for further reference on animal control devices are: Custer (5,353,744), Westrick et al. (5,559,498), Kim et al. (5,605,116), Moore (5,749,324), Yarnall, Sr. et al. (5,769,032), Christiansen (5,815,077), Van Curren et al. (5,91,284), Taylor (6,019, 066) and Lyerly (6,047,664).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth Shaw whose telephone number is (703) 308-1853. Art Unit faxes: (703) 306-4195 and 305-7687.



Elizabeth Shaw

May 22, 2000



PETER M. POON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600

5/22/00